

CLEAN VERSION OF AMENDMENTS

IN THE CLAIMS

Please amend claims 1 and 2 to read as follows:

- B1
1. A poly(ADP-ribose) polymerase (PARP) homolog and the functional equivalents thereof having an amino acid sequence which has
 - a) a functional NAD⁺ binding domain
 - and
 - b) no zinc finger sequence motif of the general formula
$$CX_2CX_MHX_2C \text{ (SEQ ID NO:30)}$$
in which
m is an integral value of 28 or 30, and the X radicals are, independently of one another, any amino acid;and wherein the functional NAD⁺ binding domain comprises the sequence motif $PX_n(S/T)GX_3GKGIYFA$ (SEQ ID NO:11) in which n is an integral value from 1 to 5, and the X radicals are, independently of one another, any amino acid.
 2. A PARP homolog as claimed in claim 1, wherein the functional NAD⁺ binding domain comprises one of the following general sequence motifs:

$(S/T)XGLR(I/V)XPX_n(S/T)GX_3GKGIYFA$ (SEQ ID NO:12) or

$LLWHG(S/T)X_7IL(S/T)XGLR(I/V)XPX_n(S/T)GX_3GKGIYFAX_3SKSAXY$ (SEQ

ID NO:13)

in which

n is an integral value from 1 to 5, and the X radicals are, independently of one another, any amino acid.
